### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named	l inventor, I	hereby	declare that:
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This declaration is of the following type:

[X] original[] divisional[] continuation[] continuation-in-part

#### INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

### Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate

#### SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto		. 1
	was filed on	, under Application No	, executed on even
	date herewith; or		
	[ ] Express Mail No	(as Application No. not	yet known)
	and was amended on	(if applicable)	
7	was described and claimed in	n PCT International Application No	filed on
	and as a	nended under PCT Article 19 on	·

### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[ ] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s)
for patent or inventor's certificate or of any PCT international application(s) designating at least one country
other than the United States of America listed below, and have also identified below any foreign application(s)
for patent or inventor's certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing date before that of
the application(s) of which priority is claimed.

than the	e United States of Ablication(s) of which	America filed by me on the son priority is claimed.	same subject mat	tter having a filing date before that	of
	[X] No such a	pplications have been filed.			
	[ ] Such appl	lications have been filed as	follows:		
A.		application(s) filed within 1s under 35 U.S.C. §119	2 mos. (6 mos. fo	or design) prior to this application, an	nd
	Country/PCT	Application No	Date Filed	Priority Claimed	
				[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No	
В.	All foreign application	ation(s), if any, filed more the	nan 12 mos. (6 m	nos for design) prior to this	
	Country: Application No: Filing date:				
		PRIORITY CLAIN	1 (35 U.S.C. §12	20)	
PCT in as the sin the it to discipline substitute approximation.	nternational applications of each subject matter of each manner provided by lose information that tantial likelihood the plication to issue as	ion(s) designating the United the of the claims of this applie the first paragraph of Title t is material to the examinati at a reasonable Examiner we	I States of Americation is not disc. 35, United States on of this application of the consider it in tween the filing of the states.	of any United States application(s) ica that is/are listed below and, insof losed in that/those prior application(s Code, §112, I acknowledge the duation (namely, information where the important in deciding whether to allow the of the prior application(s) and the	fai (s) ity ere
		applications have been filed lications have been filed, as	follows:		
	Amplication No.	Filing Data	Patented	Status Abandoned	
	Application No.	Filing Date	1 atented	1 Chang Avandoned	

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Joseph Bach Donald Verplancken Lawrence Edelman Raymond Kam-On Kwong Loretta Peters James C. Wilson Robert W. Mulcahy	Registration No. 25,610 Registration No. 37,771 Registration No. 33,217 Registration No. 25,226 Registration No. 37,165 Registration No. 43,855 Registration No. 35,412 Registration No. 25,436
Robert W. Mulcahy Walter Benjamin Glenn Robert C. Colwell	
William L. Shaffer Patrick R. Jewik	Registration No. 37,234 Registration No. 40,456

Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick R. Jewik (415) 576-0200

#### **DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MICHAEL BARNES				
Inventor's signature:	Date:	9(15(01		
Residence:	San Ramon, CA 94583			
Post Office Address:	P.O. Box 471182, San Ramon, CA 94583			
	United States Country of Citizenship:	United States		
Full name of second inventor: MICHAEL S. COX				
Inventor's signature:	Date:			
Residence:	Davenport, CA 95017			
Post Office Address:	P.O. Box 259, Davenport, CA 95017			
	United States Country of Citizenship:	United States		

Full name of third inve	entor: CANFENG LAI					
Inventor's signature: Residence: Post Office Address:	Fremont, CA 94539 47615 Hoyt Street, Fremor United States	Date: nt, CA 94539 Country of Citizenship:	China			
Full name of fourth in	Full name of fourth inventor: JOHN PARKS					
Inventor's signature: Residence: Post Office Address:	San Jose, CA 95134 19 Torregata Loop, San Jo	Date:				
Tost Office Padress.	United States	Country of Citizenship:	United States			
	m 1	1				

(Declaration ends with this page)

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:			
This declaration	n is of the following type:		
[X] [] []	original divisional continuation continuation-in-part		
	INVENTORSHIP IDENTIFICATION		
original first at	post office address and citizenship are as stated below next to my name. I believe I am the nd sole inventor (if only one name is listed below) or an original, first and joint inventor (if re listed below) of the subject matter which is claimed and for which a patent is sought on the ed:		
	TITLE OF INVENTION		
Atmosph	eric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate		
	SPECIFICATION IDENTIFICATION		
The specification	on of which:		
[X] []	is attached hereto  was filed on, under Application No, executed on even date herewith; or  [ ] Express Mail No (as Application No. not yet known) and was amended on (if applicable)  was described and claimed in PCT International Application No filed on		
	and as amended under PCT Article 19 on		
AC	CKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR		
I hereby state the claims, as a	hat I have reviewed and understand the contents of the above-identified specification, including amended by any amendment referred to above.		
I acknowledge Title 37, Code	the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, $\S1.56$ ,		
and which is m likelihood that to issue as a pa	naterial to the examination of this application; namely, information where there is a substantial a reasonable Examiner would consider it important in deciding whether to allow the application atent, and		
[]	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.		

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s)
for patent or inventor's certificate or of any PCT international application(s) designating at least one country
other than the United States of America listed below, and have also identified below any foreign application(s)
for patent or inventor's certificate or any PCT international application(s) designating at least one country other
than the United States of America filed by me on the same subject matter having a filing date before that of
the application(s) of which priority is claimed.

No such applications have been filed.

[X]

A.

В.

	[ ] Such applications have been filed as follows:			
A.	Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119			
	Country/PCT	Application No	Date Filed	Priority Claimed
				[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No
В.	All foreign application	ation(s), if any, filed more that	an 12 mos. (6 m	os for design) prior to this
	Country: Application No: Filing date:			
		PRIORITY CLAIM	(35 U.S.C. §12	0)
I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.				
		applications have been filed lications have been filed, as	follows:	
				Status Abandoned
	Application No.	Filing Date	<u>Patented</u>	Pending Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa Joseph Bach Donald Verplancken Lawrence Edelman Raymond Kam-On Kwong Loretta Peters James C. Wilson Robert W. Mulcahy Walter Benjamin Glenn Robert C. Colwell William L. Shaffer	Registration No. 25,610 Registration No. 37,771 Registration No. 33,217 Registration No. 25,226 Registration No. 37,165 Registration No. 43,855 Registration No. 35,412 Registration No. 25,436 Registration No. 27,431 Registration No. 27,431 Registration No. 37,234
William L. Shaffer Patrick R. Jewik	Registration No. 37,234 Registration No. 40,456

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Patrick R. Jewik (415) 576-0200

#### **DECLARATION**

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MICHAEL BARNES

Full name of sole or fi	rst inventor: MICHAE	EL BARNES	
Inventor's signature:		Date:	
Residence:	San Ramon, CA 94583		
Post Office Address:	P.O. Box 471182, San Ran	non, CA 94583	
	United States	Country of Citizenship:	United States
Full name of second in	nventor: MICHAEL S. CO	OX	
Inventor's signature:	(TIME	Date:	8/16/91
Residence:	Pavenport, 24 95017		•
Post Office Address:	P.O. Box 259, Davenport,	CA 95017	
	United States	Country of Citizenship:	United States

Full name of third inve	entor: CANFENG LAI		
Inventor's signature: Residence: Post Office Address:	Fremont, CA 94539 47615 Hoyt Street, Fremor United States	Date:  nt, CA 94539  Country of Citizenship:	China
Full name of fourth in		Country of Citizensing.	Cima
Inventor's signature:		Date:	
Residence:	San Jose, CA 95134 19 Torregata Loop, San Jo	se CA 05134	
Post Office Address:	United States	Country of Citizenship:	United States

(Declaration ends with this page)

SF 1255099 v1

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below nam	ned inventor, I hereby declare that:
This declaration	is of the following type:
[X] [] []	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
original first ar	post office address and citizenship are as stated below next to my name. I believe I am the ad sole inventor (if only one name is listed below) or an original, first and joint inventor (if a listed below) of the subject matter which is claimed and for which a patent is sought on the ed:
	TITLE OF INVENTION
Atmosphe	eric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate
	SPECIFICATION IDENTIFICATION
The specification	on of which:
[X] []	is attached hereto was filed on, under Application No, executed on even date herewith; or [ ] Express Mail No (as Application No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on
AC	KNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state the the claims, as a	at I have reviewed and understand the contents of the above-identified specification, including mended by any amendment referred to above.
I acknowledge Title 37, Code	the duty to disclose all information I know to be material to patentability in accordance with of Federal Regulations, §1.56,
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[]	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

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for patent or inventor's certificate or of any PCT international application(s) designating at least one country
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for patent or inventor's certificate or any PCT international application(s) designating at least one country other
han the United States of America filed by me on the same subject matter having a filing date before that of
he application(s) of which priority is claimed.
tic application(s) of which priority is examined.

		priority is claimed.	anno suojeet mus	
	[X] No such a	pplications have been filed.		
	[ ] Such apple	ications have been filed as f	ollows:	
A.	Prior foreign/PCT any priority claims	application(s) filed within 12 under 35 U.S.C. §119	2 mos. (6 mos. fo	or design) prior to this application, and
	Country/PCT	Application No	Date Filed	Priority Claimed
				[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No
В.	All foreign application U.S. application Country: Application No: Filing date:	ation(s), if any, filed more th	nan 12 mos. (6 m	nos for design) prior to this
		PRIORITY CLAIM	1 (35 U.S.C. §12	20)
PCT in as the s in the r to discl is substitute app	ternational applications application and terms are the subject matter of each manner provided by lose information that tantial likelihood the blication to issue as	ion(s) designating the United the of the claims of this applied the first paragraph of Title is t is material to the examination at a reasonable Examiner we	I States of Americation is not disc. 35, United States on of this applicated consider it in tween the filing of the consider it in the filing of the consider it in the filing of the fi	of any United States application(s) of ica that is/are listed below and, insofal losed in that/those prior application(s) is Code, §112, I acknowledge the dutition (namely, information where there important in deciding whether to allow date of the prior application(s) and the
		applications have been filed lications have been filed, as	follows:	
				Status
	Application No.	Filing Date	Patented	Pending Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A Santa Clara, CA 95052 Patrick R. Jewik (415) 576-0200

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Full name of sole or fin	rst inventor: MICHAE	EL BARNES	
Inventor's signature: Residence:	San Ramon, CA 94583	Date:	
Post Office Address:	P.O. Box 471182, San Ran United States	mon, CA 94583 Country of Citizenship:	United States
Full name of second in	nventor: MICHAEL S. CO	ΟX	
Inventor's signature:		Date:	
Residence:	Davenport, CA 95017	C 0.504.5	
Post Office Address:	P.O. Box 259, Davenport, United States	CA 95017 Country of Citizenship:	United States

Full name of third inve	entor: CANFENG LAI	2		
Inventor's signature: Residence:	Fremont, &A 94539	Date:	8/16/01	
Post Office Address:	47615 Hoyt Street, Fremon	t. CA 94539		
1 000 0 11101 1 11101 1 1 1 1 1 1 1 1 1	United States	Country of Citizenship:	China USA	
Full name of fourth inventor: JOHN PARKS				
Inventor's signature:		Date:		
Residence:	San Jose, CA 95134			
Post Office Address:	19 Torregata Loop, San Jose, CA 95134			
	United States	Country of Citizenship:	United States	

(Declaration ends with this page)

SF 1255099 v1

to issue as a patent, and

#### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below nam	ned inventor, I hereby declare that:		
This declaration	n is of the following type:		
[X] [] []	original divisional continuation continuation-in-part		
	INVENTORSHIP IDENTIFICATION		
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:			
	TITLE OF INVENTION		
Atmospheric Substrate Processing Apparatus For Depositing Multiple Layers on a Substrate			
	SPECIFICATION IDENTIFICATION		
The specification	on of which:		
[X] []	is attached hereto was filed on, under Application No, executed on even date herewith; or  [ ] Express Mail No (as Application No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on		
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	[X]	No such applications have been filed.
	[]	Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

Country/PCT	Application No	Date Filed	Priority Claimed
			[ ] Yes [ ] No [ ] Yes [ ] No [ ] Yes [ ] No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

#### PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

	No such applications have been filed Such applications have been filed, as follows:			
	_	,	Status	
Application No.	Filing Date	Patented	Pending	Abandoneo

" I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Loretta Peters	Registration No. 43,855
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Patrick R. Jewik	Registration No. 40,456

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Patent Counsel, MS/2061 Legal Affairs Dept. Patrick R. Jewik (415) 576-0200

Applied Materials, Inc.

P.O. Box 450A

Santa Clara, CA 95052

Full name of sole or first inventor:

#### DECLARATION

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MICHAEL BARNES

Inventor's signature:		Date:			
Residence:	San Ramon, CA 94583				
Post Office Address:	P.O. Box 471182, San Ramon, CA 94583				
	United States	Country of Citizenship:	United States		
Full name of second in	nventor: MICHAEL S. Co	OX			
Inventor's signature:		Date:			
Residence:	Davenport, CA 95017				
Post Office Address:	P.O. Box 259, Davenport, CA 95017				
	United States	Country of Citizenship:	United States		

•						
	Inventor's signature:		Date:			
	Residence:	Fremont, CA 94539				
	Post Office Address:	47615 Hoyt Street, Fremont, CA 94539				
		United States	Country of Citizenship:	China		
	Full name of fourth in	ventor: JOHN PARKS				
	Inventor's signature:	Ohn lash	Date:	8/23/01		
	Residence:	San Jose, CA 95134				
	Post Office Address:	s: 19 Torregata Loop, San Jose, CA 95134				
		United States	Country of Citizenship	United States		

CANFENG LAI

(Declaration ends with this page)

SF 1255099 v1

Full name of third inventor: